

BIOGRAPHICAL SKETCH

NAME: John H. Overton

POSITION TITLE: Research Physicist

EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
University of South Carolina, Columbia, SC	B.S.	1960	Physics
University of North Carolina, Chapel Hill, NC	Ph.D.	1972	Physics

PROFESSIONAL EXPERIENCE:

1972-1973. Research Associate, Dept. of Environmental Sciences and Engineering,
University of North Carolina, Chapel Hill, NC.
1973-1977 Member Research Staff, Northrop Services, Inc. Research Triangle Park, NC.
1977-1979 Senior Scientist, Northrop Services, Inc. Research Triangle Park, NC.
1979-1984 Project Scientist, Northrop Services, Inc., Research Triangle Park, NC.
1984-Present Research Physicist, Experimental Toxicology Div., National Health &
Environmental Effects Research Laboratory, Research Triangle Park, NC.

PROFESSIONAL SOCIETIES:

Biomedical Engineering Society

SELECTED AWARDS AND HONORS:

None

INVITED LECTURES/SYMPOSIA:

“Vapor deposition throughout the respiratory tract”, Presented at the roundtable, Nasal Tissue Dosimetry: Issues and approaches for “Category 1” Gases. RTP, NC. Feb. 11-12, 1998.

“Simulation of the uptake of a moderately soluble gas in the branching airways of the respiratory tract of a rat”, presented at the session, Transport of Non-Respiratory Gases, Biomedical Engineering Society, Seattle, Washington, Oct. 12-14, 2000.

“Developing a method to construct dose-response curves for rats chronically exposed to ozone” Symposium: When Model meets Data in the Respiratory Tract, 2001 Annual Meeting of the Society for Risk Analysis, Seattle, WA, Dec 2-5, 2001

ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY:

None

ASSISTANCE/LEADERSHIP PROVIDED TO THE AGENCY:

For NCEA-RTP, responsible for writing a chapter or section on ozone dosimetry for the document, “Air Quality Criteria for Ozone and Related Photochemical Oxidants”.

PUBLICATIONS (From January 1, 1998 to present):

1. Vinegar, A., Jepson, G.W., and Overton, J.H. 1998. PBPK modeling of short-term (0 to 5 min) human inhalation exposures to halogenated hydrocarbons. *Inhalation Toxicology*, 10:411-429
2. Vinegar, A., Jepson, G. W., Hammann S. J. , Harper G., Dierdorf D. S. ,and Overton, J. H. 1999. Simulated Blood Levels Of CF3I In Personnel Exposed During Its Release From An F-15 Jet Engine Nacelle d During Intentional Inhalation. *American Industrial Hygiene Association Journal*, 60:403-408.
3. Overton, J.H. (1999). Human respiratory tract dosimetry for formaldehyde. In: Formaldehyde: Hazard characterization and dose-response assessment for carcinogenicity by route of inhalation. Revised edition. Chemical Industry of Institute Toxicology September 28, p 6-25 - 6-40 and Appendix B.

4. Overton, J.H. (2001). Dosimetry modeling of highly soluble reactive gases in the respiratory tract. *Inhalation Toxicology*, 13:347-357.
5. Kimbell, J.S., Overton, J.H., Subramaniam, R.P., Schlosser, P.M., Morgan, K.T., Conolly, R.B., and Miller, F.J. (2001). Dosimetry modeling of inhaled formaldehyde: Binning nasal flux predictions for quantitative risk assessment. *Toxicological Sciences*, 64: 111-121.
6. Overton, J.H., Kimbell, J.S., and Miller, F.J. (2001). Dosimetry modeling of inhaled formaldehyde: The human respiratory tract. *Toxicological Sciences*, 64: 122-134.